Intelligent, Intuitive, Innovative

Certegra®
@ Point of Care

VirtualCare®
Remote Support

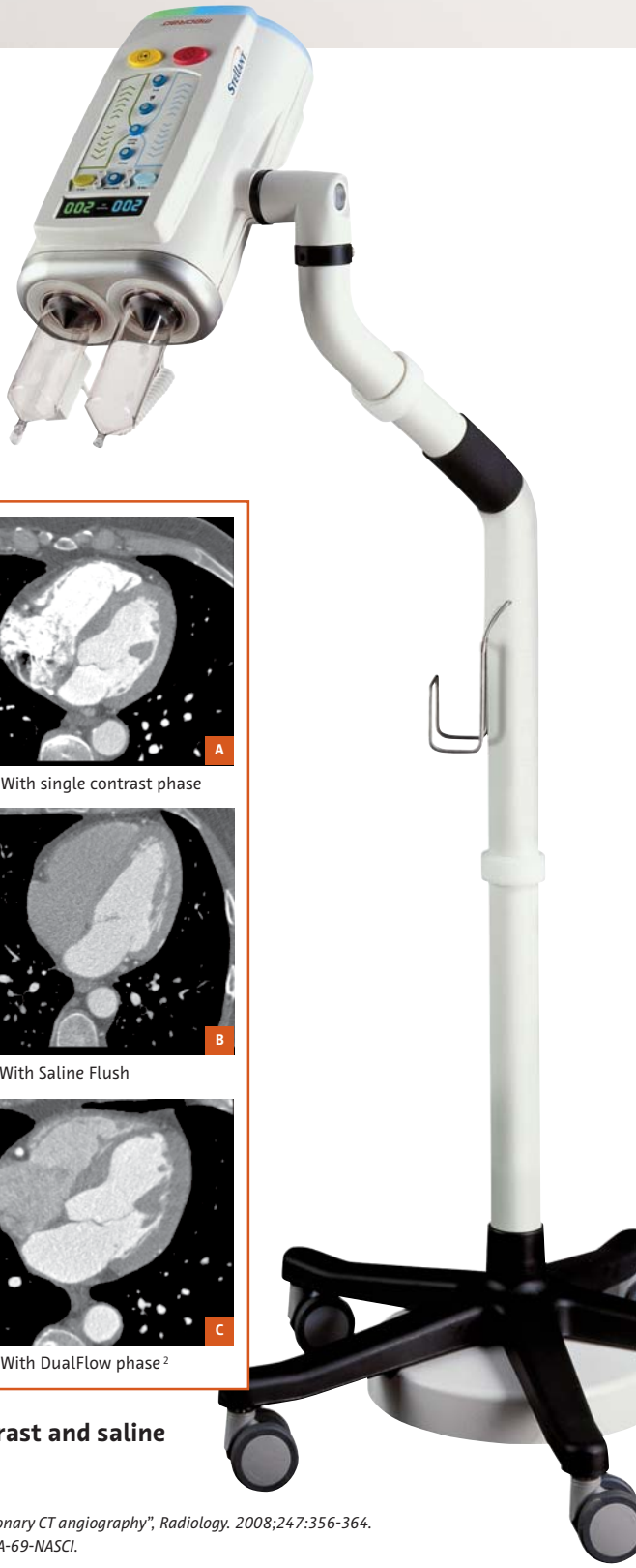
medrad® Stellant®
CT Injection System

MEDRAD® Stellant®
CT Injection System

Intelligent, Intuitive, Innovative

CT Imaging Solutions start here...

The Medrad® Stellant® D Dual Syringe CT Injection System is reliable and easy-to-use. It is an integral piece of Bayer's CT imaging solution which also includes the Radimetrics™ Enterprise Platform, Quality Consumables, Services (Extended warranties including VirtualCare® Remote Support), and Contrast



Protocol options for the most advanced clinical applications:

- Designed for complex CTA and Cardiac CT protocols
- Creates a tight contrast bolus
- Enables precisely timed contrast delivery

Clinical benefits of injecting contrast and saline at different ratios to visualize the whole heart

Clinical research has shown that simultaneous injection of contrast and saline, in user-selected ratios, can[1]:

- Provide more uniform attenuation of the right and left ventricles
- Minimize artifacts by achieving proper attenuation levels
- Visualize the right coronary arteries and right ventricles in a single study by achieving more uniform attenuation

A. With single contrast phase

B. With Saline Flush

C. With DualFlow phase[2]

DualFlow can provide the ability to perform simultaneous injection of contrast and saline with the Stellant D Injection System

1. Kerl JM, Ravenel JG, Nguyen SA, et al. "Right heart: split-bolus injection of diluted contrast medium for visualization at coronary CT angiography", Radiology. 2008;247:356-364.
2. Jensen, CT, "Dual Flow Contrast Injection for Coronary CTA Improves Visualization of the Right Heart", NASCI Abstract # 05-A-69-NASCI.

"Decreasing the amount of contrast agent that we use has really resulted in significant cost savings" **

Certegra® Workstation highlights:

- Informatics ready platform – enables interconnectivity between your scanner, the Medrad® Stellant® D Dual Head Injector, PACS, RIS, & Speech Recognition Systems
- Storage and recall of up to 250 protocols
- Enhanced protocol manager
- Ability to add Certegra® P3T® 2.0 Software to drive protocol standardization through new capabilities including presets for radiologist-preferred protocols & the ability to save and recall P3T software protocols

Certegra® Workstation is the cornerstone of the Bayer Certegra® @ Point of Care application, the industry's first[3] Contrast Dose Management™ Solution. The data you need is centrally mobilized and instantly available.

VirtualCare® Remote Support Capabilities

With the inclusion of a VirtualCare® Remote Support system, alerts are monitored and resolved proactively. That's forward thinking you can't afford to miss out on.

Certegra® Workstation for Medrad® Stellant® D Injection System
The command center for intelligent CT Contrast Dose Management™ Solutions.

The Medrad® Stellant® D efficiently increases throughput with:

- Snap-on / twist-off syringe design
- Automatic plunger advance and retract when attaching and detaching syringes
- Automatic filling and priming
- Multi-phase programming (and patented Hold/Pause feature)
- Integrated saline test inject
- Programmable pressure limit

Medrad® Stellant® Dual Saline Syringe Kit (SDS-CTP-SCS) includes a small spike for contrast & a longer, vented spike for saline

3. Reference on file.

System Specifications

Injection Specifications

Flow Rate (range & increments)	0.1 to 10 mL/sec in 0.1 mL increments
Volume (range & increments)	1 mL to syringe capacity in 1 mL increments
Programmable Pressure Limit (psi/kPa)	200 mL syringe: 325 psi, 2241 kPa
Scan Delay	0-300 seconds (5 minutes) in 1 second increments
Pause	1-900 seconds (15 minutes) in 1 second increments
Hold	Maximum HOLD time is 20 minutes
Syringes (Volume capacity)	200 mL sterile disposable syringe
Maximum Number of Phases	6
Maximum Number of Protocols	250

Miscellaneous Specifications

Electrical Requirements (VAC/Hz)	100-240 VAC, 50/60 Hz, 300 Volts-AMPs
Syringe Heat Maintainer Range	95 degrees F +/-9 degrees 35 degrees C +/-5 degrees
Head Mounting Options	Overhead Counterpoise System or Floor Pedestal (Floor Pedestal includes an Integral IV Pole)
DualFlow	Simultaneous Injection of Contrast and Saline
Medrad® XDS® Extravasation Detection System	Extravasation Detector - Extravasation Detection Device
Certegra® P3T® Cardiac Application	Patient-specific Injection Protocols for Cardiac CTA
Certegra® P3T® Abdomen Application	Abdominal Protocol Optimization Software Software
Certegra® P3T® PA Application	Pulmonary Angiography Protocol Optimization Software

Mechanical Specifications

	Height	Width	Depth	Weight
Dual Injector Head	6.1" (15.5 cm)	12.1" (30.7 cm)	14.5" (36.8 cm)	17.9 lb (8.1 kg) *(without syringe)*
Base Unit	11.5" (29.2 cm)	11.0" (27.9 cm)	8.8" (22.2 cm)	13.6 lb (6.2 kg)
Certegra® Workstation (CWS)	13.5" (34.2 cm)	15.8" (40.0 cm)	10.2" (30.0 cm)	17.6 lb (8.0 kg)

Ordering Information

Systems listed include all standard cabling

Catalog Number: SCT 321
Medrad® Stellant® D CT Injection System
with Certegra® Workstation with a Pedestal Head Mount

Catalog Number: SCT 322
Medrad® Stellant® D CT Injection System
with Certegra® Workstation with Counterpoise
System Head Mount

Backed by Bayer reliability, support and service

- Legendary product reliability
- Exceptional after-sales support
- Knowledgeable and reliable technical service
- Ask about Bayer's Predictive Maintenance Programs and Extended Warranties

Enhancing Your CT Practice

Bayer HealthCare

Radiology & Interventional
Bayer HealthCare Medical Care

Bayer HealthCare LLC
100 Bayer Boulevard
P.O. Box 915
Whippany, NJ 07981

www.ri.bayer.com

Bayer Medical Care Inc.
1 Bayer Drive
Indianola, PA 15051-0780 USA

Customer Service/Orders
1-800-633-7231

Customer Service Fax
1-412-767-4120

Bayer reserves the right to modify the specifications and features described herein, or discontinue manufacture of the product described at any time without prior notice or obligation. Please contact your authorized Bayer HealthCare representative for the most current information.

*** Based upon 2003 - 2004 FSC (Flaherty, Sabol & Carroll) Communications research.*

Bayer, the Bayer Cross, Medrad®, Stellant®, Certegra®, VirtualCare®, Radimetrics™, Contrast Dose Management™, XDS®, and P3T® are trademarks of the Bayer group of companies.

© 2012-2014 Bayer

RAD-CT-14-06630 August 2014